TITLE AMENDMENTS:

Replace the title with:

PERMANENT MAGNET ROTATING MACHINE

SPECIFICATION AMENDMENTS

Replace the paragraph beginning at page 1, line 11 with:

In an ordinary construction of a permanent-magnet rotating machine, a rotor is disposed inside a stator. The stator has a ~~cylindrical~~ tubular iron core carrying a plurality of stator coils arranged on its curved inner surface to form multiple magnetic poles. The rotor has a rotor core and shaft placed inside the stator so that the rotor can rotate about a central axis of the stator. Permanent magnets are provided on the curved outer surface of the rotor core or embedded in it. The permanent magnets are arranged in such a way that their north (N) and south (S) poles alternate along the surface of the rotor core. The rotating machine causes electric currents to flow through the stator coils to produce a rotating magnetic field so that the rotor rotates about its shaft.

Replace the paragraph beginning at page 2, line 17 with:

Conventionally, a theoretically determined angle (hereinafter referred to as the theoretical angle) is used as the row-to-row skew angle (physical angle) θm. The theoretical angle at which the cogging torque is expected to be minimized is calculated as 360/(the ~~least common multiple~~ smallest number of which the number of stator poles and the number of rotor poles are factors)/(the number of permanent magnet rows along the axial direction) as discussed in Japanese Laid-open Patent Publication No. 2000-308286, for example.